

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1: (Original) A pair of self-alignable, ladder-like structures integral with one another in a single sheet of electroconductive material wherein a hinge joint is formed parallel to the rails of said ladder-like structures and wherein the rungs of each are sized and spaced to be aligned with one another when the hinge is in a closed position and to form an elongated tunnel therebetween.

Claim 2: (Original) A pair of ladder-like structures positioned in register with one another to form a tunnel therebetween wherein said structures are integral with one another and have a hinge joint axis parallel to the longitudinal axis of said tunnel.

Claim 3: (Withdrawn) An improved Klystron device comprising:
an electron beam chamber having opposed spaced electrostatic (ES) magnetic field generating members, said spacing of said ES magnetic field generating members being uniform and along the longitudinal axis of said chamber, said ES magnetic field generating members structured and adapted to generate an electron beam

confining magnetic flux when said members are engaged with an alternating current;

electroconductive cross-members electrically insulated from the interspersed between adjacent ES magnetic field generating members, said cross-members integrated in an elongated structure whereby said cross-members are fixed as rungs in a ladder-type structure with said rungs supported on each end by an elongated rail structure which is parallel to the longitudinal axis of said chamber.

Claim 4: (Original) A method for fabricating a precise miniature ladder-type device of a thin malleable electroconductive sheet of material comprising:

applying a precise mask by photolithographic techniques of the desired structure on a thin electroconductive sheet;

etching the unmasked portions to remove precisely the unmasked portions of the sheet material to result in a ladder-like structure with precisely spaced rungs; and

etching the unmasked portions to remove precisely the unmasked portions of the sheet material to result in a ladder-like structure with precisely spaced rungs; and

forming the etched sheet along its longitudinal axis to recess the rung members from the plane of the sheet material.

Claim 5: (Withdrawn) An improved focusing cavity-forming structure for electrostatic focusing of an electron beam comprising a linear support member for supporting uniformly spaced, conductive electrically spaced rung-like elements which when

electrically activated carry a current and generated a magnetic field of sufficient intensity to maintain electrons traveling linearly therethrough in a beam configuration, said cavity-forming structure being constructed of two identical halves wherein the two halves are joined along their linear edges to form an elongated cavity through which an electron beam may pass.

Claim 6: (Currently Amended) The integral pair of self-alignable, ladder-like structures~~focusing tube~~ of Claim 1, wherein the ~~one-piece~~electroconductive material is sufficiently malleable to have the ~~two~~pair of half-ladder-like structures folded about the ~~a~~ continuous linear hinge member to form an elongated cavity with through linear bore, and wherein the ~~one-piece material is curable to form a rigid structure.~~

Claim 7: (New) The integral pair of self-alignable, ladder-like structures of Claim 1, wherein said electroconductive material is curable to form a rigid structure.

Claim 8: (New) The integral pair of self-alignable, ladder-like structures of Claim 7, wherein said rigid structure comprises a circular cross-section.

Claim 9: (New) The integral pair of self-alignable, ladder-like structures of Claim 7, wherein said rigid structure comprises a hexagonal cross-section.

Claim 10: (New) The integral pair of self-alignable, ladder-like structures of Claim 7, wherein said rigid structure comprises a octagonal cross-section.

Claim 11: (New) The integral pair of self-alignable, ladder-like structures of Claim 7, wherein said rigid structure comprises a square cross-section.

Claim 12: (New) The integral pair of self-alignable, ladder-like structures of Claim 7, wherein said rigid structure comprises copper or copper alloys.

Claim 13: (New) The integral pair of self-alignable, ladder-like structures of Claim 7, wherein said rigid structure comprises molybdenum or molybdenum alloys.

Claim 14: (New) A precise miniature ladder-type device formed according to the method of Claim 4.

Claim 15: (New) The precise miniature ladder-type device of Claim 14, wherein said precise miniature ladder-type device is configured to be folded along a hinge to form a rigid structure having a defined cross-section.

Claim 16: (New) The precise miniature ladder-type device of Claim 15, wherein said defined cross-section is selected from the group consisting of: circular, square, hexagonal and octagonal.

Claim 17: (New) The method of Claim 4, further comprising separating said ladder-like structure from a substrate.

Claim 18: (New) The method of Claim 17, further comprising folding said ladder-like structure along a hinge formed between two half-structures of the ladder-like structure to form a rigid structure having an elongated cavity with through linear bore.

Claim 19: (New) The method of Claim 18, wherein the rigid structure comprises a cross-section shape selected from the group consisting of: circular, square, hexagonal and octagonal.

Claim 20: (New) The method of Claim 4, further comprising providing a substrate from which said precise miniature ladder-type device is formed.

Claim 21: (New) The method of Claim 20, wherein providing a substrate comprises providing an electroconductive material comprising at least one of: copper, copper alloy, molybdenum, molybdenum alloy, conductive ceramic and silicon.

Claim 22: (New) The pair of ladder-like structures of Claim 2, wherein said hinge joint axis is configured to allow said pair of ladder-like structures to fold and form said tunnel having a defined cross-section.

Claim 23: (New) The pair of ladder-like structures of Claim 22, wherein said defined cross-section is selected from the group consisting of: circular, square, hexagonal and octagonal.

Claim 24: (New) The pair of ladder-like structures of Claim 22, wherein said tunnel comprises at least one of: copper, copper alloy, molybdenum, molybdenum alloy, conductive ceramic and silicon.